p1105: Factoring when $a = $ prime (v36)

1. Factor the expression $11x^2 + 102x + 27$

$$(11x + 3)(x + 9)$$

2. Factor the expression $2x^2 - 11x - 40$

$$(2x + 5)(x - 8)$$

3. Factor the expression $11x^2 + 68x - 63$

$$(11x - 9)(x + 7)$$

4. Factor the expression $3x^2 + 26x - 9$

$$(3x - 1)(x + 9)$$

5. Factor the expression $7x^2 + 50x + 48$

$$(7x + 8)(x + 6)$$

6. Factor the expression $11x^2 - 24x + 4$

$$(11x - 2)(x - 2)$$

7. Factor the expression $3x^2 + 32x + 64$

$$(3x + 8)(x + 8)$$

8. Factor the expression $11x^2 - 42x + 27$

$$(11x - 9)(x - 3)$$

9. Factor the expression $5x^2 + 26x + 24$

$$(5x + 6)(x + 4)$$

10. Factor the expression $3x^2 + 22x + 7$

$$(3x + 1)(x + 7)$$